KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 51043

Page 2 of 2

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Andrew LoCicero	California EDF Report? ☒ Yes ☐ No
Company / Address: Blue Rock Env, Inc. 535 3rd St. Ste. 100 Eureka, CA	Sampling Company Log Code:
Phone #: (707) 441-1934 / Fax #: (707) 441-1949	Global ID: T0602300497
Project #: NC-20 / P.O. #:	EDF Deliverable To (Email Address): andrew@bluerockenv.com
Project Name: Dave's 76	Sampler Signature: James Linderman
Project Address: 1666 Main St. Fortuna, CA	

Sample Designation	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Container:	Container:	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative:	Preservative:	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix:
MW-14	7/11/06	9:50	6							X					X			
MW-15	↓	10:10	↓							↓					↓			
MW-16		10:30																
MW-17		10:50																
MW-18	↓	11:10	↓							↓					↓			

Analysis Request

MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M) Silica gel	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)					TAT	For Lab Use Only
	X	X	X							X								☒ 1 wk	11
	↓	↓	↓							↓									12
																			13
																			14
	↓	↓	↓							↓								↓	15

☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 1 wk

Relinquished by:	Date	Time	Received by:
James Linderman	7/11/06		Fed Ex
	071206	1303	Received by Laboratory: [illegible] Kiff Analytical

Remarks:

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
4.2	KT	071206	1303	IR-1	(Yes) / No

Distribution: White - Lab; Pink - Originator
Rev: 051805

KIFF Analytical LLC

Report Number : 49878
Date : 5/11/2006

Andrew LoCicero
Blue Rock Environmental, Inc.
535 3rd Street, Suite 100
Eureka, CA 95501

Subject : 2 Water Samples
Project Name : Dave's 76
Project Number : NC-20

Dear Mr. LoCicero,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 49878
Date : 5/11/2006

Subject : 2 Water Samples
Project Name : Dave's 76
Project Number : NC-20

Case Narrative

Matrix Spike/Matrix Spike Duplicate Results associated with sample Inf Ex-1 for the analyte Methyl-t-butyl ether were affected by the analyte concentrations already present in the un-spiked sample.

Approved By: Joel Kiff

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 49878
Date : 5/11/2006

Project Name : **Dave's 76**
Project Number : **NC-20**

Sample : **Inf Ex-1** Matrix : Water Lab Number : 49878-01
Sample Date :5/3/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**15**	0.50	ug/L	EPA 8260B	5/9/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	5/9/2006
Ethylbenzene	**2.4**	0.50	ug/L	EPA 8260B	5/9/2006
Total Xylenes	**1.6**	0.50	ug/L	EPA 8260B	5/9/2006
Methyl-t-butyl ether (MTBE)	**180**	0.50	ug/L	EPA 8260B	5/9/2006
TPH as Gasoline	**160**	50	ug/L	EPA 8260B	5/9/2006
Toluene - d8 (Surr)	96.3		% Recovery	EPA 8260B	5/9/2006
4-Bromofluorobenzene (Surr)	99.5		% Recovery	EPA 8260B	5/9/2006
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	5/11/2006
Octacosane (Diesel Surrogate)	104		% Recovery	M EPA 8015	5/11/2006

Sample : **Eff Ex-1** Matrix : Water Lab Number : 49878-02
Sample Date :5/3/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	5/8/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	5/8/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	5/8/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	5/8/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	5/8/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	5/8/2006
Toluene - d8 (Surr)	97.0		% Recovery	EPA 8260B	5/8/2006
4-Bromofluorobenzene (Surr)	99.6		% Recovery	EPA 8260B	5/8/2006
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	5/11/2006
Octacosane (Diesel Surrogate)	116		% Recovery	M EPA 8015	5/11/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 49878

Date : 5/11/2006

QC Report : Method Blank Data

Project Name : **Dave's 76**

Project Number : **NC-20**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	5/10/2006
Octacosane (Diesel Surrogate)	113		%	M EPA 8015	5/10/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/8/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/8/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/8/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/8/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	5/8/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/8/2006
Toluene - d8 (Surr)	97.6		%	EPA 8260B	5/8/2006
4-Bromofluorobenzene (Surr)	103		%	EPA 8260B	5/8/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/9/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/9/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/9/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/9/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	5/9/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/9/2006
Toluene - d8 (Surr)	96.3		%	EPA 8260B	5/9/2006
4-Bromofluorobenzene (Surr)	94.3		%	EPA 8260B	5/9/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 49878

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 5/11/2006

Project Name : **Dave's 76**

Project Number : **NC-20**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	Blank	<50	1000	1000	1080	1040	ug/L	M EPA 8015	5/10/06	108	104	3.61	70-130	25
Benzene	49878-02	<0.50	40.0	40.0	39.9	39.2	ug/L	EPA 8260B	5/8/06	99.7	98.0	1.78	70-130	25
Toluene	49878-02	<0.50	40.0	40.0	40.2	39.5	ug/L	EPA 8260B	5/8/06	101	98.7	1.88	70-130	25
Tert-Butanol	49878-02	<5.0	200	200	203	204	ug/L	EPA 8260B	5/8/06	102	102	0.532	70-130	25
Methyl-t-Butyl Ether	49878-02	<0.50	40.0	40.0	42.8	40.4	ug/L	EPA 8260B	5/8/06	107	101	5.74	70-130	25
Benzene	49895-01	33	40.0	40.0	75.2	74.2	ug/L	EPA 8260B	5/9/06	106	103	2.38	70-130	25
Toluene	49895-01	0.51	40.0	40.0	38.5	38.2	ug/L	EPA 8260B	5/9/06	95.0	94.3	0.657	70-130	25
Tert-Butanol	49895-01	540	200	200	776	779	ug/L	EPA 8260B	5/9/06	116	118	1.40	70-130	25
Methyl-t-Butyl Ether	49895-01	760	40.0	40.0	847	860	ug/L	EPA 8260B	5/9/06	220	254	14.2	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 49878

QC Report : Laboratory Control Sample (LCS)

Date : 5/11/2006

Project Name : **Dave's 76**

Project Number : **NC-20**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	5/8/06	89.0	70-130
Toluene	40.0	ug/L	EPA 8260B	5/8/06	90.2	70-130
Tert-Butanol	200	ug/L	EPA 8260B	5/8/06	90.3	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	5/8/06	94.6	70-130
Benzene	40.0	ug/L	EPA 8260B	5/9/06	98.9	70-130
Toluene	40.0	ug/L	EPA 8260B	5/9/06	92.1	70-130
Tert-Butanol	200	ug/L	EPA 8260B	5/9/06	92.9	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	5/9/06	93.6	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 49878

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Andrew LoCicero	California EDF Report? ☐ Yes ☑ No
Company / Address: Blue Rock Environ. 535 3rd St. #210 Eureka, CA 95501	Sampling Company Log Code:
Phone #: 707 441 1934 / Fax #: 707 441 1949	Global ID:
Project #: NC-20 / P.O. #:	EDF Deliverable To (Email Address):
Project Name: Davis 76	Sampler Signature:
Project Address: 1666 Main St, Fortuna, CA	

Sample Designation	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Container: Other	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: Other	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Other
Inf Ex-1	5/3/06	1430	4			4			X				X			
Eff Ex-1	5/3/06	1500	4						Y				Y			

Analysis Request	TAT	For Lab Use Only
MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb		
MTBE (EPA 8260B) @ 0.5 ppb		01 / 02
BTEX (EPA 8260B)		
TPH Gas (EPA 8260B)		
5 Oxygenates (EPA 8260B)		
7 Oxygenates (EPA 8260B)		
Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)		
Volatile Halocarbons (EPA 8260B)		
Volatile Organics Full List (EPA 8260B)		
Volatile Organics (EPA 524.2 Drinking Water)		
TPH as Diesel (EPA 8015M) S.G. Gelled		
TPH as Motor Oil (EPA 8015M)		
Total Lead (EPA 6010)		
W.E.T. Lead (STLC)		
	☐ 12 hr	
	☐ 24 hr	
	☐ 48 hr	
	☐ 72 hr	
	☑ 1 wk	

Relinquished by:	Date	Time	Received by:
Andrew LoCicero	5/4/06	1400	FED EX
	050506	1157	Kiff Analytical

Remarks:

Bill to: BR Foster City

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
4.2	ADG	050506	1156	IR-1	(Yes) / No

Distribution: White - Lab; Pink - Originator
Rev: 051805

KIFF Analytical LLC

Report Number : 50385
Date : 6/9/2006

Andrew LoCicero
Blue Rock Environmental, Inc.
535 3rd Street, Suite 100
Eureka, CA 95501

Subject : 3 Water Samples
Project Name : Dave's 76
Project Number : NC 20

Dear Mr. LoCicero,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 50385
Date : 6/9/2006

Project Name : **Dave's 76**
Project Number : **NC 20**

Sample : **EX-1 Effluent 6/5/06** Matrix : Water Lab Number : 50385-01
Sample Date :6/5/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	6/8/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	6/8/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	6/8/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	6/8/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	6/8/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	6/8/2006
Toluene - d8 (Surr)	94.2		% Recovery	EPA 8260B	6/8/2006
4-Bromofluorobenzene (Surr)	99.9		% Recovery	EPA 8260B	6/8/2006
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	6/9/2006
Octacosane (Diesel Surrogate)	93.8		% Recovery	M EPA 8015	6/9/2006

Sample : **Mid carbon 6/5/06** Matrix : Water Lab Number : 50385-02
Sample Date :6/5/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	6/7/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	6/7/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	6/7/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	6/7/2006
Methyl-t-butyl ether (MTBE)	**13**	0.50	ug/L	EPA 8260B	6/7/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	6/7/2006
Toluene - d8 (Surr)	99.0		% Recovery	EPA 8260B	6/7/2006
4-Bromofluorobenzene (Surr)	98.2		% Recovery	EPA 8260B	6/7/2006
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	6/9/2006
Octacosane (Diesel Surrogate)	92.4		% Recovery	M EPA 8015	6/9/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 50385
Date : 6/9/2006

Project Name : **Dave's 76**
Project Number : **NC 20**

Sample : **EX-1 Influent 6/5/06** Matrix : Water Lab Number : 50385-03
Sample Date :6/5/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**15**	0.50	ug/L	EPA 8260B	6/8/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	6/8/2006
Ethylbenzene	**1.2**	0.50	ug/L	EPA 8260B	6/8/2006
Total Xylenes	**1.0**	0.50	ug/L	EPA 8260B	6/8/2006
Methyl-t-butyl ether (MTBE)	**250**	0.50	ug/L	EPA 8260B	6/8/2006
TPH as Gasoline	**160**	50	ug/L	EPA 8260B	6/8/2006
Toluene - d8 (Surr)	98.2		% Recovery	EPA 8260B	6/8/2006
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	6/8/2006
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	6/9/2006
Octacosane (Diesel Surrogate)	93.6		% Recovery	M EPA 8015	6/9/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 50385

Date : 6/9/2006

QC Report : Method Blank Data

Project Name : **Dave's 76**

Project Number : **NC 20**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	6/8/2006
Octacosane (Diesel Surrogate)	78.8		%	M EPA 8015	6/8/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	6/7/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	6/7/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/7/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	6/7/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	6/7/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/7/2006
Toluene - d8 (Surr)	93.1		%	EPA 8260B	6/7/2006
4-Bromofluorobenzene (Surr)	101		%	EPA 8260B	6/7/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 50385

Date : 6/9/2006

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Dave's 76**

Project Number : **NC 20**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	50385-01	<0.50	39.4	39.8	41.4	41.4	ug/L	EPA 8260B	6/8/06	105	104	0.960	70-130	25
Toluene	50385-01	<0.50	39.4	39.8	38.1	39.0	ug/L	EPA 8260B	6/8/06	96.8	98.0	1.30	70-130	25
Tert-Butanol	50385-01	<5.0	197	199	206	214	ug/L	EPA 8260B	6/8/06	105	108	2.87	70-130	25
Methyl-t-Butyl Ether	50385-01	<0.50	39.4	39.8	33.4	33.5	ug/L	EPA 8260B	6/8/06	84.9	84.3	0.732	70-130	25
TPH as Diesel	Blank	<50	1000	1000	879	889	ug/L	M EPA 8015	6/8/06	87.9	88.9	1.06	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 50385

QC Report : Laboratory Control Sample (LCS)

Date : 6/9/2006

Project Name : **Dave's 76**

Project Number : **NC 20**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	6/8/06	103	70-130
Toluene	40.0	ug/L	EPA 8260B	6/8/06	97.1	70-130
Tert-Butanol	200	ug/L	EPA 8260B	6/8/06	107	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	6/8/06	83.3	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 50385

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Andrew LaClerg

California EDF Report? ☐ Yes ☑ No

Company / Address: Blue Rock Environ. 535 5th St. #100 Eureka CA 95501

Sampling Company Log Code:

Phone #: 707 441 1934 Fax #: 707 441 1949

Global ID:

Project #: NC 28 P.O. #:

EDF Deliverable To (Email Address):

Project Name: Dave's 76

Sampler Signature:

Project Address: 1666 main St. Fortuna, CA

Sample Designation	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Container:	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: ICE	Preservative:	Matrix: Water	Matrix: Soil	Matrix: Air	MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M) 4 Gel	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)				TAT	For Lab Use Only
Ex-1 Effluent 6/5/06	6/5/06	1430	4						X			X		X				X	X	X							X							X	01
Mid carbon 6/5/06	6/5/06	1445	4						X			X		X				X	X	X							X							X	02
Ex-1 Influent 6/5/06	6/5/06	1500	4						X			X		X				X	X	X							X							X	03

Relinquished by:	Date	Time	Received by:
A. LaClerg	6/5/06	1430	FED EX
	060606	1145	Thomas Rau Kiff Analytical

Remarks:

Bill to: BR Fortuna City

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
3.0	TJA	060606	1145	FR-1	Yes / No

Distribution: White - Lab; Pink - Originator
Rev: 051805

KIFF Analytical LLC

Report Number : 50991
Date : 7/12/2006

Andrew LoCicero
Blue Rock Environmental, Inc.
535 3rd Street, Suite 100
Eureka, CA 95501

Subject : 3 Water Samples
Project Name : Dave's 76
Project Number : NC-20

Dear Mr. LoCicero,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 50991
Date : 7/12/2006

Project Name : **Dave's 76**
Project Number : **NC-20**

Sample : **Influent 7/7/06** Matrix : Water Lab Number : 50991-01
Sample Date :7/7/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**18**	0.50	ug/L	EPA 8260B	7/11/2006
Toluene	**1.2**	0.50	ug/L	EPA 8260B	7/11/2006
Ethylbenzene	**5.7**	0.50	ug/L	EPA 8260B	7/11/2006
Total Xylenes	**13**	0.50	ug/L	EPA 8260B	7/11/2006
Methyl-t-butyl ether (MTBE)	**210**	0.50	ug/L	EPA 8260B	7/11/2006
TPH as Gasoline	**410**	50	ug/L	EPA 8260B	7/11/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	7/11/2006
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	7/11/2006
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	7/12/2006
Octacosane (Diesel Surrogate)	93.2		% Recovery	M EPA 8015	7/12/2006

Sample : **Effluent 7/7/06** Matrix : Water Lab Number : 50991-02
Sample Date :7/7/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	7/11/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	7/11/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	7/11/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	7/11/2006
Methyl-t-butyl ether (MTBE)	**0.57**	0.50	ug/L	EPA 8260B	7/11/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	7/11/2006
Toluene - d8 (Surr)	95.2		% Recovery	EPA 8260B	7/11/2006
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	7/11/2006
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	7/12/2006
Octacosane (Diesel Surrogate)	94.4		% Recovery	M EPA 8015	7/12/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 50991
Date : 7/12/2006

Project Name : **Dave's 76**
Project Number : **NC-20**

Sample : **Mid Carbon 7/7/06** Matrix : Water Lab Number : 50991-03
Sample Date :7/7/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	7/11/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	7/11/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	7/11/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	7/11/2006
Methyl-t-butyl ether (MTBE)	**19**	0.50	ug/L	EPA 8260B	7/11/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	7/11/2006
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	7/11/2006
4-Bromofluorobenzene (Surr)	96.7		% Recovery	EPA 8260B	7/11/2006
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	7/12/2006
Octacosane (Diesel Surrogate)	97.4		% Recovery	M EPA 8015	7/12/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 50991

Date : 7/12/2006

QC Report : Method Blank Data

Project Name : **Dave's 76**

Project Number : **NC-20**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	7/11/2006
Octacosane (Diesel Surrogate)	100		%	M EPA 8015	7/11/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/10/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/10/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/10/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/10/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	7/10/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	7/10/2006
Toluene - d8 (Surr)	98.9		%	EPA 8260B	7/10/2006
4-Bromofluorobenzene (Surr)	105		%	EPA 8260B	7/10/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/10/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/10/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/10/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/10/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	7/10/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	7/10/2006
Toluene - d8 (Surr)	94.1		%	EPA 8260B	7/10/2006
4-Bromofluorobenzene (Surr)	97.9		%	EPA 8260B	7/10/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/10/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/10/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/10/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/10/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	7/10/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	7/10/2006
Toluene - d8 (Surr)	99.0		%	EPA 8260B	7/10/2006
4-Bromofluorobenzene (Surr)	96.1		%	EPA 8260B	7/10/2006

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 50991

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 7/12/2006

Project Name : **Dave's 76**

Project Number : **NC-20**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	Blank	<50	1000	1000	926	938	ug/L	M EPA 8015	7/11/06	92.6	93.8	1.33	70-130	25
Benzene	50544-03	<0.50	40.0	40.0	40.8	38.6	ug/L	EPA 8260B	7/10/06	102	96.5	5.46	70-130	25
Toluene	50544-03	<0.50	40.0	40.0	40.5	38.8	ug/L	EPA 8260B	7/10/06	101	96.9	4.46	70-130	25
Tert-Butanol	50544-03	<5.0	200	200	208	203	ug/L	EPA 8260B	7/10/06	104	102	2.44	70-130	25
Methyl-t-Butyl Ether	50544-03	1.8	40.0	40.0	44.4	43.8	ug/L	EPA 8260B	7/10/06	106	105	1.42	70-130	25
Benzene	50535-01	<0.50	40.0	40.0	42.6	41.0	ug/L	EPA 8260B	7/10/06	106	102	3.79	70-130	25
Toluene	50535-01	<0.50	40.0	40.0	40.4	39.2	ug/L	EPA 8260B	7/10/06	101	98.0	3.04	70-130	25
Tert-Butanol	50535-01	<5.0	200	200	189	192	ug/L	EPA 8260B	7/10/06	94.4	95.9	1.53	70-130	25
Methyl-t-Butyl Ether	50535-01	<0.50	40.0	40.0	44.4	43.8	ug/L	EPA 8260B	7/10/06	111	110	1.20	70-130	25
Benzene	50240-09	0.53	40.0	40.0	44.7	42.5	ug/L	EPA 8260B	7/10/06	110	105	5.14	70-130	25
Toluene	50240-09	<0.50	40.0	40.0	43.0	40.7	ug/L	EPA 8260B	7/10/06	107	102	5.37	70-130	25
Tert-Butanol	50240-09	<5.0	200	200	199	196	ug/L	EPA 8260B	7/10/06	99.7	97.9	1.80	70-130	25
Methyl-t-Butyl Ether	50240-09	1.1	40.0	40.0	44.2	42.3	ug/L	EPA 8260B	7/10/06	108	103	4.40	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 50991

QC Report : Laboratory Control Sample (LCS)

Date : 7/12/2006

Project Name : **Dave's 76**

Project Number : **NC-20**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	7/10/06	94.3	70-130
Toluene	40.0	ug/L	EPA 8260B	7/10/06	96.2	70-130
Tert-Butanol	200	ug/L	EPA 8260B	7/10/06	102	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	7/10/06	102	70-130
Benzene	40.0	ug/L	EPA 8260B	7/10/06	99.2	70-130
Toluene	40.0	ug/L	EPA 8260B	7/10/06	96.2	70-130
Tert-Butanol	200	ug/L	EPA 8260B	7/10/06	94.4	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	7/10/06	104	70-130
Benzene	40.0	ug/L	EPA 8260B	7/10/06	100	70-130
Toluene	40.0	ug/L	EPA 8260B	7/10/06	102	70-130
Tert-Butanol	200	ug/L	EPA 8260B	7/10/06	97.4	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	7/10/06	99.9	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 50991

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Andrew Hocicero	California EDF Report? ☐ Yes ☒ No
Company / Address: Blue Rock Environ. 535 3rd St. #100 Eureka CA 95501	Sampling Company Log Code:
Phone #: 707 441 9364 / Fax #: 707 441 9409	Global ID:
Project #: NC-20 / P.O. #:	EDF Deliverable To (Email Address):
Project Name: Brock 76	Sampler Signature:
Project Address: 1666 main st. Fortuna CA	

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Container:	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative:	Preservative:	Matrix: Water	Matrix: Soil	Matrix: Air	MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)				TAT	For Lab Use Only
																																			12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☐ 1 wk	
1 Influent 7/7/06	7/7/06	1045	4						Y					Y				Y	X	Y							Y								01
2 Effluent 7/7/06	7/7/06	1115	4						Y					Y				X	X	X							Y								02
3 mid carbon 7/7/06	7/7/06	1120	4						Y					Y				Y	Y	Y							Y								03

Relinquished by:	Date	Time	Received by:
A. Holl	7/7/06	1400	FED EX
Relinquished by:	Date	Time	Received by Laboratory:
	071006	1017	Ron McLee Kiff Analytical

Remarks:

Bill to: BR Rosales city

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
12.0	RLM	071006	1005	IR-1	(Yes) No

Distribution: White - Lab; Pink - Originator
Rev: 051805

KIFF Analytical LLC

Report Number : 50988
Date : 07/12/2006

Andrew LoCicero
Blue Rock Environmental, Inc.
535 3rd Street, Suite 100
Eureka, CA 95501

Subject : 1 Vapor Sample
Project Name : Dave's 76
Project Number : NC-20

Dear Mr. LoCicero,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 50988
Date : 07/12/2006

Project Name : **Dave's 76**
Project Number : **NC-20**

Sample : **Disch.Eff** Matrix : Air Lab Number : 50988-01
Sample Date :07/07/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.20**	0.20	mg/m3	EPA 8260B	07/08/2006
Toluene	**< 0.20**	0.20	mg/m3	EPA 8260B	07/08/2006
Ethylbenzene	**< 0.20**	0.20	mg/m3	EPA 8260B	07/08/2006
Total Xylenes	**< 0.20**	0.20	mg/m3	EPA 8260B	07/08/2006
Methyl-t-butyl ether (MTBE)	**< 0.20**	0.20	mg/m3	EPA 8260B	07/08/2006
Benzene (in ppmv)	**< 0.050**	0.050	ppmv	EPA 8260B	07/08/2006
Toluene (in ppmv)	**< 0.050**	0.050	ppmv	EPA 8260B	07/08/2006
Ethylbenzene (in ppmv)	**< 0.050**	0.050	ppmv	EPA 8260B	07/08/2006
Total Xylenes (in ppmv)	**< 0.050**	0.050	ppmv	EPA 8260B	07/08/2006
Methyl-t-butyl ether (in ppmv)	**< 0.10**	0.10	ppmv	EPA 8260B	07/08/2006
TPH as Gasoline	**< 20**	20	mg/m3	EPA 8260B	07/08/2006
TPH as Gasoline (in ppmv)	**< 5.0**	5.0	ppmv	EPA 8260B	07/08/2006
Toluene - d8 (Surr)	99.8		% Recovery	EPA 8260B	07/08/2006
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	07/08/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 50988

Date : 07/12/2006

QC Report : Method Blank Data

Project Name : **Dave's 76**

Project Number : **NC-20**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.20	0.20	mg/m3	EPA 8260B	07/07/2006
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	07/07/2006
Ethylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	07/07/2006
Total Xylenes	< 0.20	0.20	mg/m3	EPA 8260B	07/07/2006
Methyl-t-butyl ether (MTBE)	< 0.20	0.20	mg/m3	EPA 8260B	07/07/2006
Benzene (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	07/07/2006
Toluene (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	07/07/2006
Ethylbenzene (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	07/07/2006
Total Xylenes (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	07/07/2006
Methyl-t-butyl ether (in ppmv)	< 0.10	0.10	ppmv	EPA 8260B	07/07/2006
TPH as Gasoline	< 20	20	mg/m3	EPA 8260B	07/07/2006
TPH as Gasoline (in ppmv)	< 5.0	5.0	ppmv	EPA 8260B	07/07/2006
Toluene - d8 (Surr)	100		%	EPA 8260B	07/07/2006
4-Bromofluorobenzene (Surr)	90.3		%	EPA 8260B	07/07/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 50988

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Andrew Holicerto	California EDF Report? ☐ Yes ☑ No
Company / Address: Blue Rock Environ., 535 3rd St. #100 Eureka CA 95501	Sampling Company Log Code:
Phone #: 707 441 1934 / Fax #: 707 441 1949	Global ID:
Project #: NC.20 / P.O. #:	EDF Deliverable To (Email Address):
Project Name: Dave's 76	Sampler Signature:
Project Address: 1666 Main St. Fortuna CA	

Sample Designation	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Container:	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: Dark	Preservative:	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix:
Disch. Eff	7/7/06	1135					1					4				4	

Analysis Request

MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)				
	X	X	X														

TAT: ☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☑ 1 wk

For Lab Use Only: Y / 01

Relinquished by:	Date	Time	Received by:
A. Holi	7/7/06	1400	FED EX
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	070806	1210	Kiff Analytical

Remarks: Results in ppm & mg/m³

Bill to: BR Fosdevelopment

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

Distribution: White - Lab; Pink - Originator
Rev: 051805

KIFF Analytical LLC

Report Number : 51163
Date : 7/24/2006

Andrew LoCicero
Blue Rock Environmental, Inc.
535 3rd Street, Suite 100
Eureka, CA 95501

Subject : 1 Water Sample
Project Name : Dave's 76
Project Number : NC-20

Dear Mr. LoCicero,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 51163
Date : 7/24/2006

Project Name : **Dave's 76**
Project Number : **NC-20**

Sample : **Effluent 7/18/06** Matrix : Water Lab Number : 51163-01
Sample Date :7/18/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	7/20/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	7/20/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	7/20/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	7/20/2006
Methyl-t-butyl ether (MTBE)	**0.78**	0.50	ug/L	EPA 8260B	7/20/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	7/20/2006
Toluene - d8 (Surr)	95.9		% Recovery	EPA 8260B	7/20/2006
4-Bromofluorobenzene (Surr)	96.8		% Recovery	EPA 8260B	7/20/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 51163

Date : 7/24/2006

QC Report : Method Blank Data

Project Name : **Dave's 76**

Project Number : **NC-20**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/20/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/20/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/20/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/20/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	7/20/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	7/20/2006
Toluene - d8 (Surr)	94.5		%	EPA 8260B	7/20/2006
4-Bromofluorobenzene (Surr)	96.3		%	EPA 8260B	7/20/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 51163

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 7/24/2006

Project Name : **Dave's 76**

Project Number : **NC-20**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	51164-03	36	40.0	40.0	70.9	70.3	ug/L	EPA 8260B	7/20/06	85.8	84.4	1.72	70-130	25
Toluene	51164-03	2.3	40.0	40.0	35.5	35.0	ug/L	EPA 8260B	7/20/06	83.0	81.8	1.49	70-130	25
Tert-Butanol	51164-03	<5.0	200	200	182	186	ug/L	EPA 8260B	7/20/06	90.9	93.1	2.34	70-130	25
Methyl-t-Butyl Ether	51164-03	<0.50	40.0	40.0	35.0	34.6	ug/L	EPA 8260B	7/20/06	87.6	86.5	1.31	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 51163

QC Report : Laboratory Control Sample (LCS)

Date : 7/24/2006

Project Name : **Dave's 76**

Project Number : **NC-20**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	7/20/06	102	70-130
Toluene	40.0	ug/L	EPA 8260B	7/20/06	98.2	70-130
Tert-Butanol	200	ug/L	EPA 8260B	7/20/06	102	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	7/20/06	106	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 51163

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Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Andrew LoCicero	California EDF Report? ☐ Yes ☑ No
Company / Address: Blue Rock Environ. 535 3rd St. #100 Eureka CA 95501	Sampling Company Log Code:
Phone #: 707 441 1934 / Fax #: 707 441 1949	Global ID:
Project #: NC-20 / P.O. #:	EDF Deliverable To (Email Address):
Project Name: Dave's 76	Sampler Signature: B. N2
Project Address: 1666 Main St. Fortuna CA	

Sample Designation	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Container:	Container:	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: ICE	Preservative:	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix:
Effluent 7/18/06	7/18/06	1130	4							X			X		X			

Analysis Request

MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)					
	X	X	X															
											SAMPLE RECEIPT							

TAT: ☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☑ 1 wk

For Lab Use Only: X 01

Relinquished by:	Date	Time	Received by:
B. N2	7/18/06	1500	FED EX
	07/19/06	1100	Robbs Kiff Analytical

Remarks:
Temp °C 5 to 2 Therm. ID# 151
Initial PMH Date 071906
Time 1031 Coolant present: (Yes) / No

Bill to: B.R. Rasmussen

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

Distribution: White - Lab; Pink - Originator
Rev: 051805

NORTH COAST UNIFIED
AIR QUALITY MANAGEMENT DISTRICT

AUTHORITY TO CONSTRUCT # NAC-472

IS HEREBY GRANTED TO:

Blue Rock Environmental
535 Third Street #100
Eureka, CA 95501

FOR THE SOURCE LISTED BELOW:

Soil Remediation via Groundwater Extraction. The project is located in the northwestern portion of California within the County of Humboldt, at 1666 Main St., Fortuna, CA.

SUBJECT TO THE FOLLOWING CONDITIONS:

Construction of the equipment must be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise specified herein:

LIST OF ABBREVIATIONS

CARB	California Air Resources Board
CFM	cubic feet per minute
CFR	Code of Federal Regulations
District	North Coast Unified Air Quality Management District
EPA	Environmental Protection Agency
gpm	gallons per minute
LEL	lower explosive limit
OSHA	Occupational Safety and Health Administration
SCFM	standard cubic feet per minute
TPHg	total petroleum hydrocarbons from gasoline
TPHd	total petroleum hydrocarbons from diesel

PERMITTED UNITS

A. Groundwater Extraction System (Permit Number NAC-472)

BASIC EQUIPMENT - The project consists of the installation and operation of a groundwater extraction system intended to remove gasoline, and diesel which have leaked from underground fuel tanks. The system consists of extraction wells that will be constructed to provide access to the contaminated groundwater. A 1" braided nylon hose will bring the contaminated water up to a 300 gallon transfer tank; the water will then pass through a 1 HP transfer pump into a salt filter, then through two, 1,000 pound Activated Carbon Filter Vessels, and discharged to the public sewer system.

GENERAL CONDITIONS

1. This Authority to Construct permit shall be posted in a conspicuous location at the site and shall be made available to North Coast Unified Air Quality Management District (AQMD) representatives upon request.

2. This Authority to Construct permit is issued pursuant to California Health and Safety Code Section 42301.1, and is valid for one year from the date of issue.

3. Knowing and willful misrepresentation of a material fact in the application for the permit, or failure to comply with any condition of the permit or of the AQMD Rules and Regulations, shall be grounds for revocation of this permit.

4. Any violation of any condition of this permit is a violation of AQMD Rules and Regulations, and California State Law.

5. The APCO reserves the right to amend this permit in order to ensure compliance of this operation or to mitigate or abate any public nuisance. Such amendments may include requirements for additional operating conditions, testing, data collection, reporting and other conditions deemed necessary by the APCO to ensure compliance with AQMD rules and Regulations.

6. The Rules, paragraphs, sentences, clauses, and phrases of the permit are severable. If any Rules, paragraphs, sentences, clauses, or phrase referenced should be declared unconstitutional by a valid judgment or decree of a court with competent jurisdiction, such unconstitutionality shall not affect any of the remaining Rules, paragraphs, sentences, clauses, and phrases.

7. This permit is not transferable from either one location to another, from one piece of equipment to another, or from one person to another.

8. This permit is effective only upon payment of fees in accordance with AQMD Rules and Regulations. In the event of facility closure or change of ownership or responsibility, the new owner or operator shall remit fees for the emissions generated or fees for activities unpaid for prior to the aforementioned change in status.

9. The permit and conditions remain in effect in the event of any change in control or ownership of the facility. In the event of any such change in control or ownership of the subject facility, the permittee shall notify the succeeding owner of the permit and conditions and shall notify the AQMD of the change in control or ownership within fifteen (15) days of that change.

10. The "Right of Entry", as delineated in California Health and Safety Code Section 41510 of Division 26, shall apply at all times. Failure to do so may be grounds for permit suspension or revocation.

11. All equipment, if any, regulated by this permit shall at all times be maintained in good working order and be operated as efficiently as possible to ensure compliance with all applicable emission limits.

12. This permit does not convey any property rights of any sort, or any exclusive privilege.

13. The permittee shall submit an application for any changes to the basic or control equipment for any permit unit in this permit. No change shall begin prior to the issuance of a permit.

14. The permittee shall not discharge such quantities of air contaminants or other material which cause injury, detriment, nuisance or annoyance to any considerable number of persons or to the public or which endanger the comfort, repose, health or safety of any such persons or the public or which cause or have a natural tendency to cause injury or damage to business or property.

15. The permittee shall not discharge into the atmosphere from any source whatsoever any air contaminant for a period or periods aggregating more than three (3) minutes in any one hour which is as dark or darker in shade as that designated as No. 2 on the Ringlemann Chart, as published by the United States Bureau of Mines; or of such opacity as to obscure an observer's view to a degree equal to or greater than Ringlemann 2 or forty (40) percent opacity.

16. The permittee shall not handle, transport, or store material in such a manner as to allow unnecessary amounts of particulate matter to become airborne and leave the property. Reasonable precautions shall be taken to prevent particulate matter from becoming airborne.

17. The permittee shall not construct, erect, modify, operate, or use any equipment which conceals an air contaminant emission, which would otherwise constitute a violation of the limitations of this permit, unless the operation or use of said equipment results in a significant reduction in the total emission of air contaminants.

18. The permittee shall furnish to the APCO, within a reasonable time, any information that the APCO may request in writing to determine compliance with this permit or whether cause exists for modifying, revoking and reissuing, or terminating this permit. Upon request, the permittee shall also furnish to the APCO copies of records required to be kept by this permit.

19. This permit does not authorize the emission of air contaminants in excess of those allowed by the California Health and Safety Code or the Rules and Regulations of the AQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulation or statutes of other governmental agencies. The violation of any of these terms and conditions shall be grounds for revocation of this permit, and shall be a violation of AQMD Rules and Regulations.

20. Permit requirements apply to the facility owner and/or operator(s) and any contractor or subcontractor performing any activity authorized under this permit. Any person(s), including contractor(s) and/or subcontractor(s), not in compliance with the applicable permit requirements are in violation of State and local laws and subject to appropriate civil and criminal penalties. The facility owner and/or operator, and all contractor(s) or subcontractor(s) are liable for the actions and violations of their employee(s). Any violation committed by a contractor or subcontractor shall be considered a violation by the facility owner and/or operator, and is also a violation by the contractor and/or any subcontractor(s).

OPERATIONAL CONDITIONS

21. The equipment regulated by this permit consists of that listed in Table I below:

TABLE I

Unit No.	Make/Model	Serial No.	Rated Capacity
Units 1 and 2	Two 1000 lb. carbon canisters in series	N/A	N/A

22. The equipment is authorized to operate 24 hours per day, 7 days per week, and 52 weeks per year for a total of 8760 hours per year.

23. The system shall be constructed and operated in accordance with all representations in the permit application dated April 4, 2005, and in accordance with the legal authority specified above and the conditions of this permit.

24. The owner or operator to whom this permit is issued is required to ensure in writing that every and all operating staff, contractors, subcontractors, and employees, are advised and familiar with all conditions contained in this permit prior to allowing any staff, contractors, or employees to operate any equipment or conduct any activities under this permit.

25. The facility shall maintain the permitted equipment in compliance with federal and State Occupational Safety and Health Administration requirements so as to ensure the health and safety of District representatives performing a site inspection.

26. Upon detection, an upset or breakdown condition, which causes or may cause a violation of the emissions limitations as set forth in District Rules or in the conditions of this permit, shall be corrected immediately.

27. Changes in plans, specifications, and other representations proposed in the application documents shall not be made if they will increase the discharge of emissions or cause a change in the method of control of emissions or in the character of emissions. Any such proposed changes shall be submitted as modification to this permit. No modification shall begin prior to issuance of a permit for such modification.

EMISSION CONDITIONS

28. VOC loading and subsequent breakthrough into the discharge would have the potential to create fugitive VOC emissions from the system. The following monitoring program will be required to address this concern. Influent, midfluent (water sample collected between the two carbon vessels) and effluent water samples will be collected from the system on a bimonthly basis. The midfluent sample will serve as an alert to potential loading breakthrough of the carbon vessels. Upon this occurrence, the activated carbon inside the vessels used to absorb the VOC's will be replaced thus eliminating potential air quality impact. Any such incident is to be reported to the APCO within 24 hours.

29. Emissions for the system shall not exceed the emission limits in Table II below

T ABLE II

Pollutant	ug/m^3	Regulation
TPH	4.0E+05	NSR/PSD
Benzene	6.0E+0l	OEHHA/ARB
Ethylbenzene	2.00E+03	OEHHA/ARB
Toluene	3.00E+02	OEHHA/ARB
Xylene	7.00E+02	OEHHA/ARB

30. The permittee shall not discharge particulate matter into the atmosphere from any combustion source in excess of 0.20 grains per cubic foot of dry gas calculated to 12 percent CO2 at standard conditions.

MONITORING

31. No less than 30 minutes after start-up, the permittee shall analyze the air immediately above the treated groundwater discharge to determine the concentration of benzene, toluene, ethylbenzene, MTBE, xylenes, and TPHg present. This analysis shall be run a second time within 24 to 30 hours after the initial test. The results shall be reported in writing to the AQMD within ten (10) work days after the second testing procedure is completed.

32. After the initial testing required by Condition 29 is complete, the permittee shall analyze the air immediately above the treated groundwater discharge to determine the presence and concentration of benzene, toluene, ethylbenzene, MTBE, xylenes, and TPHg once per calendar quarter. The results shall be reported in writing to the AQMD quarterly for each calendar year in which the system is operating.

33. Notwithstanding Condition 30, if the emission limits in Table II are not exceeded for two consecutive tests, then the frequency of the analysis may be decreased to semi-annually. The results shall be reported within ten (10) work days, in writing, to the AQMD for each calendar year in which the system is operating.

34. If the groundwater extraction system has not been operating for more then 30 days, then the permittee shall repeat the testing required by Condition 29 twice within the first four days following restart, and then on a quarterly basis.

35. The permittee shall calculate the benzene, toluene, ethylbenzene, MTBE, xylenes, and TPHg emission rate in micrograms per meter cubed. The groundwater extraction flow rates shall be decreased, if necessary, to demonstrate compliance with the emission limits in Table II.

36. The permittee shall submit the test results and emission calculations to the District within ten (10) work days, in writing. Samples shall be analyzed according to modified EPA test method TO-14 or equivalent to determine the concentrations of benzene, toluene, ethylbenzene, MTBE, xylenes, and TPHg.

RECORDKEEPING CONDITIONS

37. A breakdown log shall be maintained that describes the breakdown, includes the date and time of the breakdown, the cause of the breakdown, corrective measures taken, and the date and time when the breakdown was corrected.

38. Records required by this section shall be maintained on-site for a minimum of two (2) years from the time of recording and shall be made available to AQMD personnel upon request.

REPORTING CONDITIONS

39. The permittee shall notify the Compliance Section, AQMD in writing of the anticipated date of initial startup of each new or modified source not less than thirty (30) days prior to the date.

40. The permittee shall notify the Compliance Section, AQMD in writing of the equipment serial number and the actual date of initial startup of each new or modified source within fifteen (15) days after the startup date.

41. Any subsequent owner or operators shall request, in writing, to the Permitting Section of the AQMD, a name change within fifteen (15) days of the change in ownership.

42. The permittee shall provide information requested by the AQMD for emission inventory purposes within thirty (30) days of receiving the request.

43. Failure of any air pollution control device shall be reported to the AQMD as soon as reasonably possible, but no later than one (1) hour after detection during normal office hours (9:00 a.m. to 5:00 p.m.), or one hour after the start of the next regular business day, whichever is sooner, and the permittee shall take immediate steps to minimize the impact of the failure.

44. The permittee shall report to the AQMD any deviations from the requirements of this permit, including those attributable to breakdown conditions, the probable cause of the deviations, and any corrective actions or preventive measures taken.

45. The permittee shall notify the AQMD in writing of any necessary update or correction to this permit no more than fifteen (15) days after the operator knows or should have known of the condition necessitating the update or correction to the permit.

NORTH COAST UNIFIED AIR QUALITY MANAGEMENT DISTRICT

2300 MYRTLE AVENUE
EUREKA, CALIFORNIA 95501

PHONE (707) 443-3093
FAX (707) 443-3099

DATE: 6-23-2005

BY: _____
AL STEER
Permit Program Manager

for

LAWRENCE D. ODLE
Air Pollution Control Officer

Permit Seal